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Synopsis of Mineral Characters. By RALPH W. RICHARDS. New York: John Wiley and Sons, 1907. Pp. 99.

This is a compact little book, strongly bound in leather, and of convenient size for the pocket. Minerals, mineralogical terms and tests, are all arranged alphabetically. The descriptions are concise and accurate and include all the more essential properties of the species described. The book will be useful both to students in the laboratory and field, and to miners and others who are interested in minerals.

C. W. W.

Fifty-seventh Annual Report of the New York State Museums for 1903, containing the Twenty-third Report of the State Geologist, 1903. Albany, N. Y., 1905.

Contains articles on peat, the gypsum industry, abrasives, distribution of Hudson Schist and Harrison Diorite in part of the Oyster Bay quadrangle, the northeast extremity of the pre-Cambrian Highlands. In the appendices are "The Geology of the Vicinity of Little Falls, Herkimer Co.," by H. P. Cushing; "New York Mineral Localities," by H. P. Whitlock; "Report of the State Paleontologist, 1903," by J. M. Clarke; "Feeding Habits and Growth of *Venus mercenaria*," J. L. Kellogg.

Molybdenum. By E. C. ANDREWS. Pamphlet No. 4, Geological Survey, Mineral Resources, Department of Mines and Agriculture, New South Wales. Pp. 17. Sydney, 1906.

The ore of molybdenum is molybdenite in quartz. It is directly associated with intrusions of fine "sandy" granite about which the ore forms contact deposits. One mine produces practically all the molybdenite from New South Wales. Its output in 1904 was 25½ tons, value £2,726.

Cambrian Faunas of China. By CHARLES D. WALCOTT. (Proceedings of the U. S. National Museum, Vol. XXIX, pp. 1-106. Washington, D. C., 1905.)

Faunas embracing 48 genera and 172 species are listed from three formations in the upper and middle Cambrian. Five new genera and about 125 new species and varieties are described. The upper Cambrian faunas are related to those of North America and northwestern Europe. This is a preliminary report, published in advance of a fuller one with plates, that will appear this year.

C. W. W.